

# **UTAH DEPARTMENT OF TRANSPORTATION**

## **MINIMUM SAMPLING AND TESTING REQUIREMENTS**

### **1. PURPOSE**

This document provides general guidance to personnel responsible for verification sampling and testing consistent with the Code of Federal Regulations 23 CFR 637B, which requires each State Transportation Department to establish frequency guide schedules for verification sampling and testing.

### **2. SCOPE**

This document consists of two parts. The first outlines the testing and documentation required for materials that are manipulated and processed at or near the project site and tested for acceptance as close as practical to final incorporation in the work under the direction of the Resident Engineer. The second summarizes the testing and documentation required for materials obtained from qualified sources as determined through the Department's Quality Management Plans and for manufactured products where industry quality control procedures demonstrate consistent satisfaction of the specifications.

### **3. REFERENCES**

- a. UDOT Materials Manual of Instruction
- b. UDOT Standard Specifications
- c. UDOT Quality Management Plans
- d. AASHTO Standard Specifications for Transportation Materials
- e. UDOT Policy and Procedure 08B-31 – Project Materials Certification

### **4. GENERAL PROCEDURES**

The Resident Engineer is responsible for obtaining all substantiating documentation used to justify acceptance of the Contractor's work and provide documentary evidence of specification compliance to support acceptance and payment to the Contractor for materials furnished and work completed. The Resident Engineer verifies supporting documentation prior to partial and final payment. In the case of failure to meet the material quality requirements, the documentation will constitute the basis for rejection or work deemed unfit for acceptance, or it may be the basis for its acceptance upon appropriate contract price adjustment where this is permitted under the contract provisions. (Reference UDOT Standard Specification Sections 00727 and 01455.) Complete records including test and inspection reports covering acceptance or rejection are to be maintained in the project files.

The Resident Engineer certifies the materials incorporated into the project are in conformance with the approved plans and specifications in accordance with UDOT Policy and Procedure 08B-31.

#### *Materials Processed at or Near the Project Site*

Acceptance sampling and testing is performed in accordance with Part 1 of this document under the direction of the Resident Engineer by UDOT TTQP qualified personnel. Samples are taken at the point of acceptance and compliance tests are performed to determine if the material is acceptable under the applicable section of the specifications.

### *Manufactured Products*

Part 2 of this document identifies manufactured materials that are incorporated in the work through either manufacturer's Certificate of Compliance as described under UDOT Standard Specification 01455 – Materials Quality Requirements, or by the Resident Engineer's verification of manufacturer's product data and/or specifications, furnished by the Contractor, meeting the requirements cited under the applicable UDOT specification.

### *Qualified Sources*

Part 2 of this document identifies certain materials found to be acceptable from qualified sources through the Department's Quality Management Plans. These materials include: Portland cement, flyash and pozzolans, reinforcing steel and coatings, precast prestressed concrete, hydrated lime, and asphalt binder and emulsions.

Samples of any material may be taken at any time. Any material found to be out of specification shall be rejected and removed from the project site at the contractor's expense or be subject to applicable price adjustments. Items not identified in the Minimum Sampling and Testing Requirements require appropriate testing or verification as outlined in supplemental specifications and/or approved special provisions.